

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/CA2004/000620

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 B22F9/22

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B22F C01G C22B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	GB 2 399 815 A (CHEMICAL VAPOUR METAL REFINING) 29 September 2004 (2004-09-29) page 2, line 27 – page 3, line 29 page 4, line 17 – page 5, line 20 claims 1-19; figures; examples 3-5 -----	1-21
E	CA 2 418 063 A (FALCONBRIDGE LTD) 30 July 2004 (2004-07-30) the whole document ----- -/-	1-21

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the International filing date but later than the priority date claimed

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- \*&\* document member of the same patent family

Date of the actual completion of the International search

13 December 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 099 464 A (ALBERTA RES COUNCIL) 17 January 1968 (1968-01-17)	1-4, 9,
Y	page 1, left-hand column, line 11 - line 14 page 1, right-hand column, line 47 - line 65 page 2, left-hand column, line 22 - line 33 claims 1-4; examples 3,5-8	11-21 5-8, 10
X	US 2 677 607 A (BEIDLER EDWARD A ET AL) 4 May 1954 (1954-05-04)	1-4, 9,
Y	column 1, line 43 - column 2, line 41 column 3, line 1 - line 41 column 5, line 1 - line 36 column 7, line 8 - line 21 claims; figure	15, 21 5-8, 10
X	US 3 997 331 A (TITHER DENIS) 14 December 1976 (1976-12-14)	1, 9, 12, 13, 15, 17, 18
Y	column 1, line 4 - line 19 column 4, line 67 - column 5, line 13; example 2 claims	5, 10
X	PATENT ABSTRACTS OF JAPAN vol. 0080, no. 09 (M-268), 14 January 1984 (1984-01-14) -& JP 58 171506 A (SUMITOMO KINZOKU KOUZAN KK), 8 October 1983 (1983-10-08)	1, 9, 15
Y	abstract	5, 10
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 09, 31 July 1998 (1998-07-31) -& JP 10 088205 A (SUMITOMO METAL MINING CO LTD), 7 April 1998 (1998-04-07)	1, 9, 11, 14, 15
Y	abstract	5, 10
X	US 2 396 794 A (KROLL WILLIAM J) 19 March 1946 (1946-03-19)	4, 9, 11
Y	page 1, left-hand column, line 16 - right-hand column, line 21 page 2, left-hand column, line 33 - line 41	8, 10
Y	GB 863 766 A (INTERNAT NICKEL COMPANY OF CAN) 29 March 1961 (1961-03-29) page 1, line 77 - page 2, line 19 page 2, line 38 - line 86 page 2, line 122 - page 3, line 74 claims; examples	5-8, 10

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No  
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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
GB 2399815	A 29-09-2004	CA	2461624 A1	27-09-2004
CA 2418063	A 30-07-2004	CA	2418063 A1	30-07-2004
GB 1099464	A 17-01-1968	BE DE FR NL SE	686880 A 1433356 A1 1423762 A 6412410 A ,B 325137 B	15-02-1967 15-02-1973 07-01-1966 26-04-1965 22-06-1970
US 2677607	A 04-05-1954	NONE		
US 3997331	A 14-12-1976	GB BE CA DE FR IE IT JP LU NL NO	1453026 A 803661 A1 1039028 A1 2341451 A1 2196191 A1 38095 B1 996603 B 49086292 A 68200 A1 7311160 A 138484 B	20-10-1976 18-02-1974 26-09-1978 25-04-1974 15-03-1974 21-12-1977 10-12-1975 19-08-1974 18-01-1974 19-02-1974 05-06-1978
JP 58171506	A 08-10-1983	NONE		
JP 10088205	A 07-04-1998	NONE		
US 2396794	A 19-03-1946	NONE		
GB 863766	A 29-03-1961	NONE		